COMPRO TECHNOLOGY

DATASHEET

TN900

720P/HD, H.264, microSD, Day & Night, PTZ Cloud Network Camera

- 720P HD resolution
- Motorized Pan / Tilt control from smartphone / tablet
- Day / Night functionality with built-in IR-cut filter and IR LEDs
- Dual H.264/MJPEG video stream
- Smartphone digital zoom control
- Exclusive C4Home cloud app
- microSDHC slot for storing event snapshots and recordings
- Push Notification and Audio Alarm
- Air Firmware Update
- Share video and private mode
- Dropbox cloud storage support
- Smart Motion & Audio Detection
- Smartphone two-way audio
- Upgradable I/O module
- Upgradable 802.11 b/g/n wireless connectivity

Compro TN900 camera offers an advanced pan and tilt mechanical design, 720P HD video with the latest cloud technology and super easy QR code cloud installation, let you install camera and start monitoring from your smartphone or tablet just in seconds. It's an ideal choice for securing homes, warehouses, restaurants, hotel lobbies, or any locations where there is a need to follow people or objects.

Easy Installation and Setup

The camera is so easy to set up that even novice users can complete the setup in seconds. Unlike other network cameras, installing this camera does not require any networking expertise. Nor is any sort of router setup required - simply plug-in the cables, scan QR code for mobile app and camera install, and then your TN900 camera is ready to be viewed and shared on the Internet.

High Quality 720P HD Image

With HD technology, TN900 lets you view details and identify people and objects better than the on a conventional CCTV camera. The 1280x720 resolution allows TN900 to capture video from a wide area, effectively reducing the number of cameras required in building a reliable video surveillance network.

Exclusive Mobile App and PTZ Control

You can download the exclusive and feature-rich C4Home camera app to live view, mobile 340° pan and 100° tilt control and manage cameras from your iPhone® or Android devices. Also, the free C4Home mobile app enables you to securely share camera video with your friends and families on your friends list.

Upgradable 802.11n Wireless

Upgradable Compro 802.11 b/g/n wireless adapter to reduces the cable clutter and lets you conveniently install the camera.

Two-way Audio Communication

TN900 provides two-way audio support via a built-in microphone and an audio jack for external speaker, allowing you to eavesdrop on the monitored area or broadcast your voice to intruders all from the comfort of your home computer or smartphone.

True Day & Night Functionality for 24/7 Surveillance

TN900 features a unique design of its class integrating a professional grade ambient light sensor, IR-cut filter and IR LEDs for round-the-clock surveillance under any lighting condition. The light sensor detects environmental lighting conditions. When in low-light conditions, the 12 built-in IR LEDs are automatically switched on to provide additional infrared light that help deliver clear night-time image.

Intelligent Home Surveillance Solution

Not just cloud monitoring, TN900 offers a wealth of applications to provide an intelligent surveillance solution, such as iWizard and WebVUer. iWizard is a smart installer to turn the complicated network camera installation into a simple and fast process. WebVUer is an intuitive IE-based video management software loaded with all the key features for trouble-free remote monitoring.

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CAMERA

Image Sensor	1/3" progressive scan CMOS sensor
Lens	• Focal Length: 4.0 mm • Max Aperture Ratio: F1.5 • Fixed iris
Angle of View	60° horizontal
Pan Range	-170° ~ +170° total of 340 degree
Tilt Range	-10° ~ +90° total of 100 degree
Max Speed	Pan 90°/sec., Tilt 70°/sec.
Zoom	10x digital zoom
Focusing Range	0.5m ~ INF
Minimum Illumination	• IR Mode: 0 lux with built-in IR LEDs on (12 LEDs in total; effective distance up to 10m) • Color Mode: 1.0 lux
Shutter Time	1/5 ~ 1/16000 Sec.

VIDEO

Video Compression	H.264 (MPEG-4 Part 10), Motion JPEG
Resolutions	160x120, 320x240, 640x480, 1280x720
Frame Rate	Up to 30 FPS at 1280x720
Video Streaming	Dual video stream
Image Settings	• Adjustable image size and quality • AGC, AWB, AES • Configurable brightness, saturation and sharpness

AUDIO

Audio Communication	Two-way audio with built-in MIC (S/N ratio 58 dB, 50-10000hz)
Audio compression	G.711 PCM 64Kbit/sec
Audio input / output	MIC input / Audio output

NETWORK

Wireless LAN	Upgradable Compro 802.11 b/g/n wireless adapter
Security	User name / password protection
Supported Protocols	TCP/IP, HTTP, UDP, FTP, ICMP, ARP, DHCP, NTP, DDNS, DynDNS, UPnP, RTP, RTSP, RTCP, SMTP, IGMP, 3GPP, IPv4, 802.1x
Ethernet	10/100 Base-T, autosensing, RJ-45

FIRMWARE

Firmware	• Support UPnP • Support online firmware update

WEB BROWSER

Internet Explorer (ActiveX)	• Remotely view camera video, pan/tilt camera, and adjust camera settings • 2-way audio communication • Recording and capture snapshots
Supported Viewing Devices	• PC, laptop, tablet, nettop with IE8 • iPhone®/iPad, BlackBerry, Android™, WM, PDA, or cell phones with web browser (MJPEG mode) • Mac OS 10.6 (Live view in M-JPEG mode only)

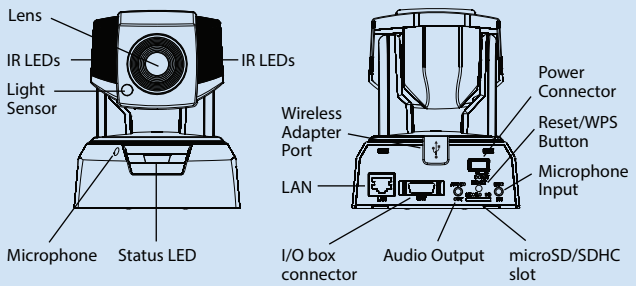
MOBILE MONITOR

C4Home App	Free mobile applications for iPhone and Android • Motion/audio detection and push notification • Private mode and audio alarm • Mobile pan/tilt, digital zoom control and camera preset point setup • Air firmware update • Dropbox cloud storage for event snapshot • SD card playback for event recording • Share video to others • Watch 4 channels at the same screen (Android and PC only, not support iOS)
MJPEG Mode	Viewing of camera image via phone browsers
3GPP Mode	Viewing of camera image via 3G phones (3GPP Streaming)

GENERAL

Video Surveillance	Professional ComproView 32-channels video management software
Local Storage	microSD/SDHC card slot (supports local storage of snapshots and video recordings)
I/O Connection	Built-in SCSI connector for Compro CM500, CM600 digital I/O box connection (Optional)
Operating Condition	0 °C ~ 40 °C (32 °F ~ 104 °F)
Certification	CE, FCC
Power Supply	DC 12V / 2A
System Requirements	• Computer with 2.8GHz Dual-Core processor and 2GB memory or above • Supported Operating Systems: Windows XP SP3, Vista SP1, Windows 7, Windows 8, Mac OS 10.6 (Live view in M-JPEG mode only)
Package Contents	• Network camera • Software CD (manual included) • Quick installation guide • Power adapter and power cable • Wall plate • Ethernet cable • Screws for ceiling mounting • Screw mount • Camera pads
Dimensions	105.1 x 150.4 x 125.5 mm

Hardware Overview



Optional Accessory

CM500
Digital I/O Expansion Box

- Connects with various sirens and alarms
- 15-pin connectors: input (2-pin) x3, output (3-pin) x3
- Box dimensions: 104 x 60 x 27 mm
- Connection cable length: 100 cm

WL150
Wireless USB Adapter 802.11 b/g/n

- Complies with IEEE 802.11 b/g/n standards
- High data transfer rate – up to 150Mbps
- Supports 64/128-bit WEP, WPA, WPA2 function for high-level security

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